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Thiamine; Gene fusion; Anaerobiosis; Leucine; Isoleucine; Valine; *Escherichia coli* (Biosynthetic gene) (Reams, S.G. (42) 231)

Promoter mutation; *Salmonella typhimurium*; Aerobic growth; Anaerobiosis (Yamamoto, N. (42) 249)

Gene fusion
Anaerobiosis; Thiamine, Gene expression; Leucine; Isoleucine; Valine; *Escherichia coli* (Biosynthetic gene) (Reams, S.G. (42) 231)

Glucan
Streptococcus mutans; Adherence, cell; Glucosyltransferase (Takehara, T. (42) 13)

Glucosyltransferase
Streptococcus mutans; Adherence, cell; Glucan (Takehara, T. (42) 13)

Glycolysis
Saccharomyces cerevisiae; Saccharomyces uvarum; Pasteur effect; Fermentation (Mass spectrometry) (Lloyd, D. (42) 27)

Haemophilus ducreyi
Lipopolysaccharide (Abeck, D. (42) 159)

Halobacteroides halobius
Enrichment (Oren, A. (42) 201)

H_2 antagonists
Campylobacter pyloridis; Drug sensitivity; Gastritis; Gastroduodenal ulcers (Morgan, D.R. (42) 245)

Hemorrhagic alveolitis
Bordetella pertussis; Monoclonal antibody; Passive protection; Adenylate cyclase; Pertussis toxini (Mouse) (Brézin, C. (42) 75)

Hydrophobicity
Escherichia coli; Cell surface; Adhesion factor; Fimbria; Antigen (McConnell, M.M. (42) 59)

Hydroxamate
Siderophore; Lysine decarboxylase; Iron; *Streptomyces pilosus*; Desferrioxamine B (Schupp, T. (42) 135)

Immunoblot
Campylobacter pyloridis; DNA–DNA blot hybridization (Relatedness between species) (Von Wulffen, H. (42) 129)

Influenza virus
Endogenous pyrogen; Fever; Virulence (Ferret) (Tinsley, C.M. (42) 103)

Integrational plasmid
Bacillus subtilis; Conjugal plasmid transfer; Conjugal mobilization; *Clostridium acetobutylicum*; Plasmid (Oultram, J.D. (42) 113)

Iron
Siderophore; Hydroxamate; Lysine decarboxylase; *Streptomyces pilosus*; Desferrioxamine B (Schupp, T. (42) 135)

Isoleucine
Gene fusion; Anaerobiosis; Thiamine, Gene expression; Leucine; Valine; *Escherichia coli* (Biosynthetic gene) (Reams, S.G. (42) 231)

β-Lactam antibiotics
Escherichia coli; Murein biosynthesis; Peptidoglycan; Penicillin-binding protein (Pisabarro, A.G. (42) 81)

Legionella pneumophila
3-Deoxy-D-manno-2-octulosonic acid (Gas chromatography) (Guerrant, G.O. (42) 1)

Leucine
Gene fusion; Anaerobiosis; Thiamine, Gene expression; Isoleucine; Valine; *Escherichia coli* (Biosynthetic gene) (Reams, S.G. (42) 231)

Leuconostoc mesenteroides
Protonmotive force; Valinomycin; Nigericin; Dextransucrase; Enzyme secretion (Otts, D.R. (42) 179)

lexA
Erwinia carotovora; recA; Pectin lyase; Carotovoricin; *recA, lexA* gene (McEvoy, J.L. (42) 205)

Lignin biodegradation
Coriolus versicolor; Peroxidase; Veratryl alcohol (Dodson, P.J. (42) 17)

Lipopolysaccharide
Haemophilus ducreyi (Abeck, D. (42) 159)

Lysine decarboxylase
Siderophore; Hydroxamate; Iron; *Streptomyces pilosus*; Desferrioxamine B (Schupp, T. (42) 135)

L-Malic acid
Saccharomyces cerevisiae; Anaerobiosis; Ethanol (Salmon, J.M. (42) 213)

Mannose
Streptococcus mutans; Phosphoenolpyruvate : mannose phosphotransferase system; Phosphotransferase system; Sugar transport (Néron, S. (42) 7)

Methylophilus methylotrophus
Serine; Arginine; Amino acid biosynthesis (Regulation) (Kearney, P. (42) 109)

Monoclonal antibody
Bordetella pertussis; Passive protection; Hemorrhagic alveolitis; Adenylate cyclase; Pertussis toxini (Mouse) (Brézin, C. (42) 75)

Murein biosynthesis
Escherichia coli; β-Lactam antibiotics; Peptidoglycan; Penicillin-binding protein (Pisabarro, A.G. (42) 81)

Nigericin
Protonmotive force; Valinomycin; *Leuconostoc mesenteroides*; Dextransucrase; Enzyme secretion (Otts, D.R. (42) 179)

Nitrogen fixation
Plasmid transfer; Plasmid stability; *Rhizobium* sp. (IncQ and IncP-1 vectors) (Donnelly, D.F. (42) 141)

Outer membrane protease
Deinococcus radiodurans; S-layer protein; Protease (Emde-Kamola, B. (42) 69)

Outer membrane protein
Chlamydia trachomatis; Elementary body; Reticulate body (Immunoblotting, Monoclonal antibody) (Cevenini, R. (42) 47)

Chlamydia trachomatis (Nucleotide sequence) (Pickett, M.A. (42) 185)

Oxygen
Superoxide dismutase; Paraquat; 2,2′-Dipyridyl (8 Prokaryotes) (Schiavone, J.R. (42) 33)

Paraquat
Superoxide dismutase; Oxygen; 2,2′-Dipyridyl (8 Prokaryotes) (Schiavone, J.R. (42) 33)

Passive protection
Bordetella pertussis; Monoclonal antibody; Hemorrhagic alveolitis; Adenylate cyclase; Pertussis toxini (Mouse) (Brézin, C. (42) 75)

Pasteur effect
Saccharomyces cerevisiae; Saccharomyces uvarum; Glycolysis; Fermentation (Mass spectrometry) (Lloyd, D. (42) 27)

Pasteurella haemolytica
Colominic acid; Polysaccharide (Adlam, C. (42) 23)

Pectin degradation
Erwinia chrysanthemi; Tn*5* mutagenesis; Polygalacturonate pathway (*kdgR* gene) (Condemine, G. (42) 39)

Pectin lyase
Erwinia carotovora; recA; lexA; Carotovoricin; *recA, lexA* gene (McEvoy, J.L. (42) 205)

Penicillin-binding protein
Escherichia coli; β-Lactam antibiotics; Murein biosynthesis; Peptidoglycan (Pisabarro, A.G. (42) 81)

Penicillin binding proteins
Citrobacter diversus; Bacterial identification; Bacterial membrane proteins (Davies, D.B. (42) 169)

Peptidoglycan
Escherichia coli; β-Lactam antibiotics; Murein biosynthesis; Penicillin-binding protein (Pisabarro, A.G. (42) 81)

Peroxidase
Coriolus versicolor; Lignin biodegradation; Veratryl alcohol (Dodson, P.J. (42) 17)

Pertussis toxini
Bordetella pertussis; Monoclonal antibody; Passive protection; Hemorrhagic alveolitis; Adenylate cyclase (Mouse) (Brézin, C. (42) 75)

Phosphoenolpyruvate : mannose phosphotransferase system
Streptococcus mutans; Phosphotransferase system; Sugar transport; Mannose (Néron, S. (42) 7)

Phosphotransferase system
Streptococcus mutans; Phosphoenolpyruvate : mannose phosphotransferase system; Sugar transport; Mannose (Néron, S. (42) 7)

Plasmid
Bacillus subtilis; Conjugal plasmid transfer; Conjugal mobilization; *Clostridium acetobutylicum*; Integrational plasmid (Oultram, J.D. (42) 113)

Plasmid segregation
Escherichia coli; (Defective mutant; Abnormal morphology) (Derbyshire, P. (42) 191)

Plasmid stability
Plasmid transfer; *Rhizobium* sp.; Nitrogen fixation (IncQ and IncP-1 vectors) (Donnelly, D.F. (42) 141)

Plasmid transfer
Plasmid stability; *Rhizobium* sp.; Nitrogen fixation (IncQ and IncP-1 vectors) (Donnelly, D.F. (42) 141)

Plasmid transformation
Escherichia coli; Cell volume; Transformation efficiency (Saunders, J.R. (42) 125)

Streptomyces lividans; Electroporation (MacNeil, D.J. (42) 239)

Polygalacturonate pathway
Erwinia chrysanthemi; Tn*5* mutagenesis; Pectin degradation (*kdgR* gene) (Condemine, G. (42) 39)

Polysaccharide
Pasteurella haemolytica; Colominic acid (Adlam, C. (42) 23)

Procetyl 30
Adhesion; Anti-adhesion; Biofouling rig; Surfactant (Bacteria) (Humphries, M. (42) 91)

Promoter mutation
Gene expression; *Salmonella typhimurium*; Aerobic growth; Anaerobiosis (Yamamoto, N. (42) 249)

Protease
Deinococcus radiodurans; Outer membrane protease; S-layer protein (Emde-Kamola, B. (42) 69)

Protonmotive force
Valinomycin; Nigericin; *Leuconostoc mesenteroides*; Dextransucrase; Enzyme secretion (Otts, D.R. (42) 179)

Pseudomonas aeruginosa
Gene expression; *Escherichia coli*; Consensus promoter; Beta galactosidase; Δ^1-pyrroline 5-carboxylate reductase (Soldati, L. (42) 163)

Δ^1-Pyrroline 5-carboxylate reductase
Pseudomonas aeruginosa; Gene expression; *Escherichia coli*; Consensus promoter; Beta galactosidase (Soldati, L. (42) 163)

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Erwinia carotovora; lexA; Pectin lyase; Carotovoricin; *recA, lexA* gene (McEvoy, J.L. (42) 205)

***recA, lexA* gene**
Erwinia carotovora; recA; lexA; Pectin lyase; Carotovoricin (McEvoy, J.L. (42) 205)

Reticulate body
Chlamydia trachomatis; Elementary body; Outer membrane protein (Immunoblotting, Monoclonal antibody) (Cevenini, R. (42) 47)

***Rhizobium* sp.**
Plasmid transfer; Plasmid stability; Nitrogen fixation (IncQ and IncP-1 vectors) (Donnelly, D.F. (42) 141)

Ribulose-1,5-bisphosphate carboxylase
Carboxysome; *Thiobacillus neapolitanus* (Holthuijzen, Y.A. (42) 121)

Saccharomyces cerevisiae
Saccharomyces uvarum; Pasteur effect; Glycolysis; Fermentation (Mass spectrometry) (Lloyd, D. (42) 27)

L-Malic acid; Anaerobiosis; Ethanol (Salmon, J.M. (42) 213)

Saccharomyces uvarum
Saccharomyces cerevisiae; Pasteur effect; Glycolysis; Fermentation (Mass spectrometry) (Lloyd, D. (42) 27)

Salmonella typhimurium
Promoter mutation; Gene expression; Aerobic growth; Anaerobiosis (Yamamoto, N. (42) 249)

Serine
Arginine; Amino acid biosynthesis; *Methylophilus methylotrophus* (Regulation) (Kearney, P. (42) 109)

Serum sensitivity assay
Escherichia coli K1; Turbidimetric assay (Pelkonen, S. (42) 53)

***Shigella* sp.**
Vero cytotoxin; VT gene; *Escherichia coli* (Smith, H.R. (42) 173)

Siderophore
Hydroxamate; Lysine decarboxylase; Iron; *Streptomyces pilosus*; Desferrioxamine B (Schupp, T. (42) 135)

S-layer protein
Deinococcus radiodurans; Outer membrane protease; Protease (Emde-Kamola, B. (42) 69)

Spore
Spore protein; *Clostridium perfringens* (Amino acid sequence) (Granum, P.E. (42) 225)

Spore protein
Spore; *Clostridium perfringens* (Amino acid sequence) (Granum, P.E. (42) 225)

Staphylococcal leukocidin
Calcium; Cytotoxicity (HL-60 cell) (Morinaga, N. (42) 259)

Streptococcus lactis
Gene cloning (Tn*916*) (Dos Santos, A.L.L. (42) 209)

Streptococcus mutans
Phosphoenolpyruvate : mannose phosphotransferase system; Phosphotransferase system; Sugar transport; Mannose (Néron, S. (42) 7)

Streptococcus pneumoniae
Gene enrichment; Gene cloning; Chromosomal transformation (Pérez Ureña, M.T. (42) 153)

Streptomyces lividans
Plasmid transformation; Electroporation (MacNeil, D.J. (42) 239)

Streptomyces pilosus
Siderophore; Hydroxamate; Lysine decarboxylase; Iron; Desferrioxamine B (Schupp, T. (42) 135)

Sugar transport
Streptococcus mutans; Phosphoenolpyruvate : mannose phosphotransferase system; Phosphotransferase system; Mannose (Néron, S. (42) 7)

Superoxide dismutase
Oxygen; Paraquat; 2,2′-Dipyridyl (8 Prokaryotes) (Schiavone, J.R. (42) 33)

Surfactant
Adhesion; Anti-adhesion; Procetyl 30; Biofouling rig (Bacteria) (Humphries, M. (42) 91)

Thiamine
Gene fusion; Anaerobiosis; Gene expression; Leucine; Isoleucine; Valine; *Escherichia coli* (Biosynthetic gene) (Reams, S.G. (42) 231)

Thiobacillus neapolitanus
Carboxysome; Ribulose-1,5-bisphosphate carboxylase (Holthuijzen, Y.A. (42) 121)

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Transformation efficiency
Escherichia coli; Cell volume; Plasmid transformation (Saunders, J.R. (42) 125)

Turbidimetric assay
Serum sensitivity assay; *Escherichia coli* K1 (Pelkonen, S. (42) 53)

Valine
Gene fusion; Anaerobiosis; Thiamine; Gene expression; Leucine; Isoleucine; *Escherichia coli* (Biosynthetic gene) (Reams, S.G. (42) 231)

Valinomycin
Protonmotive force; Nigericin; *Leuconostoc mesenteroides*; Dextransucrase; Enzyme secretion (Otts, D.R. (42) 179)

Veratryl alcohol
Coriolus versicolor; Lignin biodegradation; Peroxidase (Dodson, P.J. (42) 17)

Vero cytotoxin
VT gene; *Escherichia coli*; *Shigella* sp. (Smith, H.R. (42) 173)

Vibrio anguillarum
Aeromonas hydrophila; Adhesion; Adsorption; (Fish cell; Mucus) (Krovacek, K. (42) 85)

Virulence
Endogenous pyrogen; Fever; Influenza virus (Ferret) (Tinsley, C.M. (42) 103)

VT gene
Vero cytotoxin; *Escherichia coli*; *Shigella* sp. (Smith, H.R. (42) 173)